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DATE: Wednesday, May 31, 2006

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L10	L9 not l8	6
<input type="checkbox"/>	L9	L3 with (gene or sequence)	8
<input type="checkbox"/>	L8	L2 with (gene or sequence)	2
<input type="checkbox"/>	L7	l3 and tissierella	1
<input type="checkbox"/>	L6	l2 and tissierella	0
<input type="checkbox"/>	L5	L3 and l2	3
<input type="checkbox"/>	L4	L3 not l2	82
<input type="checkbox"/>	L3	creatinine deiminase	85
<input type="checkbox"/>	L2	creatinine deaminase	25
		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	1325958	1

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20050084930 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 1

File: PGPB

Apr 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050084930

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050084930 A1

TITLE: Nucleotide sequence for creatinine deiminase and method of use

PUBLICATION-DATE: April 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gottschalk, Ellen-Marie	Norten-Hardenberg		DE
Gottschalk, Gerhard	Norten-Hardenberg		DE
Schmitz-Streit, Ruth Anne	Gottingen		DE
Thormann, Kai	Gottingen		DE

US-CL-CURRENT: 435/69.1; 435/191, 435/252.3, 435/320.1, 435/472, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Terms	Documents
L3 and tissierella	1

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## Hit List

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**Search Results** - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20060084152 A1

**Using default format because multiple data bases are involved.**

L8: Entry 1 of 2

File: PGPB

Apr 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060084152

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060084152 A1

TITLE: Corynebacterium glutamicum genes encoding metabolic pathway proteins

PUBLICATION-DATE: April 20, 2006

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	COUNTRY
Pompejus; Markus	Freinsheim		DE
Kroger; Burkhard	Limburgerhof		DE
Schroder; Hartwig	Nussloch		DE
Zelder; Oskar	Speyer		DE
Haberhauer; Gregor	Limburgerhof		DE

US-CL-CURRENT: 435/113; 435/115, 435/252.3

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Draw De</a>
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☐ 2. Document ID: US 20030049804 A1

L8: Entry 2 of 2

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049804

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049804 A1

TITLE: Corynebacterium glutamicum genes encoding metabolic pathway proteins

PUBLICATION-DATE: March 13, 2003

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	COUNTRY
Pompejus, Markus	Freinsheim		DE
Kroger, Burkhard	Limburgerhof		DE
Schroder, Hartwig	Nussloch		DE

Zelder, Oskar	Speyer	DE
Haberhauer, Gregor	Limburgerhof	DE
Kim, Jun-Won	Seoul	KR
Lee, Heung-Shick	Seoul	KR
Hwang, Byung-Joon	Seoul	KR

US-CL-CURRENT: [435/115](#); [435/183](#), [435/252.3](#), [435/320.1](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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<input type="button" value="Clear"/>	<input type="button" value="Generate Collection"/>	<input type="button" value="Print"/>	<input type="button" value="Fwd Refs"/>	<input type="button" value="Bkwd Refs"/>	<input type="button" value="Generate OACS"/>
<input type="text" value="Terms"/>		<input type="text" value="Documents"/>			
<input type="text" value="L2 with (gene or sequence)"/>		<input type="text" value="2"/>			

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20050260707 A1

Using default format because multiple data bases are involved.

L10: Entry 1 of 6

File: PGPB

Nov 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050260707

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050260707 A1

TITLE: Corynebacterium glutamicum genes encoding metabolic pathway proteins

PUBLICATION-DATE: November 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Pompejus, Markus	Freinsheim		DE
Kroger, Burkhard	Limburgerhof		DE
Schroder, Hartwig	Nussloch		DE
Zelder, Oskar	Speyer		DE
Haberhauer, Gregor	Limburgerhof		DE

US-CL-CURRENT: [435/69.1](#); [435/106](#), [435/193](#), [435/252.3](#), [435/471](#), [536/23.2](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Draw D</a>
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☐ 2. Document ID: US 20050084930 A1

L10: Entry 2 of 6

File: PGPB

Apr 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050084930

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050084930 A1

TITLE: Nucleotide sequence for creatinine deiminase and method of use

PUBLICATION-DATE: April 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gottschalk, Ellen-Marie	Norten-Hardenberg		DE
Gottschalk, Gerhard	Norten-Hardenberg		DE
Schmitz-Streit, Ruth Anne	Gottingen		DE

Thormann, Kai

Gottingen

DE

US-CL-CURRENT: [435/69.1](#); [435/191](#), [435/252.3](#), [435/320.1](#), [435/472](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: JP 07143881 A

L10: Entry 3 of 6

File: JPAB

Jun 6, 1995

PUB-NO: JP407143881A

DOCUMENT-IDENTIFIER: JP 07143881 A

TITLE: DNA CONTAINING GENETIC INFORMATION OF PROTEIN HAVING CREATININE DEIMINASE  
ACTIVITY AND PRODUCTION OF CRETININE DEIMINASE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 4. Document ID: EP 1325958 A1

L10: Entry 4 of 6

File: EPAB

Jul 9, 2003

PUB-NO: EP001325958A1

DOCUMENT-IDENTIFIER: EP 1325958 A1

TITLE: Genetic sequence coding for creatinine deiminase, and its use

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 5. Document ID: CA 2445602 A1, US 20050084930 A1

L10: Entry 5 of 6

File: DWPI

Apr 20, 2005

DERWENT-ACC-NO: 2005-305183

DERWENT-WEEK: 200533

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TITLE: New nucleic acid sequence encoding creatinine deiminase, useful for  
determining creatinine concentration in a sample, e.g. plasma, serum, or urine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 6. Document ID: DE 10200386 A1, EP 1325958 A1

L10: Entry 6 of 6

File: DWPI

Jul 17, 2003

DERWENT-ACC-NO: 2003-543937

DERWENT-WEEK: 200355

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TITLE: New nucleic acid encoding creatinine deiminase, useful for preparing  
recombinant enzyme for determining creatine concentrations in the diagnosis of

kidney disease

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Terms

Documents

L9 not L8

6

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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results  
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN  
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added  
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes  
NEWS 9 MAR 22 EMBASE is now updated on a daily basis  
NEWS 10 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL  
NEWS 11 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC  
thesaurus added in PCTFULL  
NEWS 12 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 13 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced  
NEWS 14 APR 12 Improved structure highlighting in FQHIT and QHIT display  
in MARPAT  
NEWS 15 APR 12 Derwent World Patents Index to be reloaded and enhanced during  
second quarter; strategies may be affected  
NEWS 16 MAY 10 CA/CAPplus enhanced with 1900-1906 U.S. patent records  
NEWS 17 MAY 11 KOREAPAT updates resume  
NEWS 18 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 19 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPplus and  
USPATFULL/USPAT2  
NEWS 20 MAY 30 The F-Term thesaurus is now available in CA/CAPplus  
  
NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>  
  
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=> s creatinine (w) (deiminase or deaminase)  
L1 346 CREATININE (W) (DEIMINASE OR DEAMINASE)

=> s l1 and tissierella  
L2 5 L1 AND TISSIERELLA

=> dup rem l2  
PROCESSING COMPLETED FOR L2  
L3 2 DUP REM L2 (3 DUPLICATES REMOVED)

=> d 1,2

L3 ANSWER 1 OF 2 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
DUPLICATE 1  
AN 2005-15049 BIOTECHDS  
TI New nucleic acid sequence encoding \*\*\*creatinine\*\*\* \*\*\*deiminase\*\*\*  
, useful for determining creatinine concentration in a sample, e.g.  
plasma, serum, or urine;  
production of a recombinant \*\*\*creatinine\*\*\* - \*\*\*deiminase\*\*\*  
useful for the detection and analysis of cretinine concentration  
AU GOTTSCHALK E; GOTTSCHALK G; SCHMITZ-STREIT R A; THORMANN K  
PA GOTTSCHALK E; GOTTSCHALK G; SCHMITZ-STREIT R A; THORMANN K  
PI US 2005084930 21 Apr 2005  
AI US 2003-689564 20 Oct 2003  
PRAI US 2003-689564 20 Oct 2003; US 2003-689564 20 Oct 2003  
DT Patent  
LA English  
OS WPI: 2005-305183 [31]

L3 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2  
AN 2003:529390 HCAPLUS  
DN 139:81322  
TI A highly selective \*\*\*creatinine\*\*\* \*\*\*deiminase\*\*\* from  
\*\*\*Tissierella\*\*\* for use in the enzymic determination of creatinine and  
the gene encoding in  
IN Gottschalk, Ellen-Marie; Gottschalk, Gerhard; Schmitz-Streit, Ruth Anne;

Thormann, Kai  
 PA Campusgen GmbH, Germany  
 SO Eur. Pat. Appl., 31 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1325958	A1	20030709	EP 2003-29	20030103
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	DE 10200386	A1	20030717	DE 2002-10200386	20020108
PRAI	DE 2002-10200386	A	20020108		
RE.CNT	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

=> s l1 and (gene or sequence)

7 FILES SEARCHED...

L4 17 L1 AND (GENE OR SEQUENCE)

=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 6 DUP REM L4 (11 DUPLICATES REMOVED)

=> s l5 not l3

L6 4 L5 NOT L3

=> d 1-4

L6 ANSWER 1 OF 4 MEDLINE on STN  
 AN 2004286162 MEDLINE  
 DN PubMed ID: 15148566  
 TI Utilization of creatinine as an alternative nitrogen source in Corynebacterium glutamicum.  
 AU Bendt Anne K; Beckers Gabriele; Silberbach Maike; Wittmann Anja; Burkovski Andreas  
 CS Institut fur Biochemie der Universitat zu Koln, Zulpicher-Str. 47, 50674, Koln, Germany.  
 SO Archives of microbiology, (2004 Jun) Vol. 181, No. 6, pp. 443-50.  
 Electronic Publication: 2004-05-18.  
 Journal code: 0410427. ISSN: 0302-8933.  
 CY Germany: Germany, Federal Republic of  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200408  
 ED Entered STN: 10 Jun 2004  
 Last Updated on STN: 1 Sep 2004  
 Entered Medline: 31 Aug 2004

L6 ANSWER 2 OF 4 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
 AN 1995-11089 BIOTECHDS  
 TI Novel DNA encoding \*\*\*creatinine\*\*\* - \*\*\*deaminase\*\*\* ;  
 Bacillus sp. \*\*\*gene\*\*\* cloning and expression in e.g. Escherichia coli using a plasmid vector  
 PA Toyobo  
 PI JP 07143881 6 Jun 1995  
 AI JP 1993-275482 4 Nov 1993  
 PRAI JP 1993-275482 4 Nov 1993; JP 1993-245285 30 Sep 1993  
 DT Patent  
 LA Japanese  
 OS WPI: 1995-236463 [31]

L6 ANSWER 3 OF 4 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN  
 AN 97136991 EMBASE  
 DN 1997136991  
 TI An evolutionary treasure: Unification of a broad set of amidohydrolases related to urease.  
 AU Holm L.; Sander C.

CS Dr. L. Holm, EMBL-EBI, Wellcome Trust Genome Campus, Cambridge CB 10 1SD,  
United Kingdom

SO Proteins: Structure, Function and Genetics, (1997) Vol. 28, No. 1, pp.  
72-82. .  
Refs: 40  
ISSN: 0887-3585 CODEN: PSFGEY

CY United States

DT Journal; Article

FS 004 Microbiology  
029 Clinical Biochemistry

LA English

SL English

ED Entered STN: 29 May 1997  
Last Updated on STN: 29 May 1997

L6 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:96427 HCAPLUS

DN 137:137009

TI Biosensor chips

AU Tamitani, Eiichi; Murakami, Yuji

CS Department of Material Sciences, Nara Institute of Sciences and  
Technology, Japan

SO BME (2001), 15(10), 8-16  
CODEN: BMEEEV; ISSN: 0913-7556

PB Nippon ME Gakkai

DT Journal; General Review

LA Japanese

=> dis his

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FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,  
NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 20:14:34 ON 31 MAY 2006

L1 346 S CREATININE (W) (DEIMINASE OR DEAMINASE)

L2 5 S L1 AND TISSIERELLA

L3 2 DUP REM L2 (3 DUPLICATES REMOVED)

L4 17 S L1 AND (GENE OR SEQUENCE)

L5 6 DUP REM L4 (11 DUPLICATES REMOVED)

L6 4 S L5 NOT L3

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FULL ESTIMATED COST	26.77	26.98

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